

Notification of Reasons for Refusal

Patent Application No.	2004-514977
Drafting Date	March 13, 2009
JPO Examiner	Noriyoshi KIKUCHI 9047 4S00
Representative	Shiro NAKAJIMA
Applied Provision	Patent Law Section 29(2), 36

This application should be refused for the reasons mentioned below. If the applicant has any argument against the reasons, such argument should be submitted within 3 months from the date on which this notification was dispatched.

Reasons

Reason 1

The present application does not comply with the requirements under Patent Law Section 36(6)(ii) for the reason described below.

Note

- (1) Invention of the system of Claim 1 can be acknowledged as "the invention of an object" in which molding and assembling is carried, and which constitutes a manufacturing device, for example. However, it is not clear how the specific matter of "guaranteeing constant spraying performance" specifies which component in said system.
- (2) It is not clear how the relation between a spray head, the first part and an insert, the second part, in Claims 1 and 8 differs from combination of a plurality of parts that are assumed in well-known in-mold assembling for assembling multiple parts in terms of characteristic (e.g. see Cited Document 1 below). In particular, it cannot be grasped how the technical idea of the present invention which focuses on characteristics and performances relating to a spray is embodied.
- (3) It is not clear what meaning the term "defining" which is in frequent use from Claim 2 is used for. In general, "defining" is understood to mean specifying a form of a matter. For example, from the specification and Figures as a whole it can be grasped that "a core plate" defines parts of "a first multi-cavity mold (B)", whereas it is not clear how "a first multi-cavity mold (B)" is defined by "a core plate".

Accordingly, the inventions of Claims 1 to 12 are not clear.

Reason 2

The inventions in the Claims described below of the subject application should not be granted a patent under the Patent Law Section 29(2) since they could have easily been made by persons who have common knowledge in the technical field to which the inventions pertain, on the basis of the invention described in the publication listed below which was distributed in Japan or foreign countries prior to the filing of the subject

application.

Note (the list of cited documents, etc. is shown below.)

● Claims 1 to 12

Cited Document 1 recites a device and method for injection molding of a pair of segment-molded parts and for integrating them, and such devices and methods are well-known as in-mold assembling (e.g. see Cited Document 2). Regarding the pair of segment-molded parts, it is apparent that the relation between a spray head and chemical reserve in a fluid spray can be integrated by plastic molding (e.g. see page 22 of Cited Document 3), and therefore, merely by applying in-mold assembling it can be led without any difficulty. As for various designs, they are merely combinations of well-known means (e.g. see Cited Documents 4 and 5).

List of Cited Documents etc.

1. JP, H10-175230, A
2. JP, H06-182806, A
3. JP, H10-511629, A
4. JP, H11-019939, A
5. JP, H06-320564, A

Record of the prior art search

Technical field search

IPC B29C

DB name F-term (4F202, 4F206)

Prior Art Document

JP, H09-097666, A
 JP, H01-110918, A
 JP, H02-102012, A
 JP, H09-164555, A
 JP, H05-337952, A
 JP, H05-162178, A
 JP, 2001-260167, A
 JP, H09-024526, A
 JP, H09-141676, A

This record is not a component of the reasons for refusal.